

COMMUNITY PROFILE

City : Albion

US EPA RECORDS CENTER REGION 5



471090

County : Calhoun

Prepared by the Greater Albion Chamber of Commerce, 300 N. Eaton, P.O. Box 238,
Albion, Mi 49224
Tel : 517/629-5533

POPULATION

	1980	1990
City	11,105	10,066
County	141,557	

Labor market / SMSA

CLIMATE

Average winter temperature: 29 F -2C

Average summer temperature: 83 F 28C

Average annual rainfall : 29.72 in 80.57 cm

Average annual snowfall: 39.80 in 96.01 cm

MUNICIPAL SERVICES

Type of local government: Council/Manager

Municipal zoning in effect ? ☒ yes
() no

Township zoning in effect ? ☒ yes
() no

County zoning in effect ? ☒ yes
() no

Fire department : # 34 full time
0 volunteers

Fire insurance class in city : 6

Number of full-time policemen : 34

Industrial waste pick up ? ☒ yes
() no

Private contractor ? ☒ yes
() no

Public Library in city ? ☒ yes
() no

COMMERCIAL SERVICES

Industrial Services

Machine shops: ☒ yes Number : 3
() no

Tool and Die Shops: ☒ yes Number : 1
() no

Media

Albion Recorder

Local newspaper ? ☒ yes () no
Daily - no Sunday

Number of TV channels received : 46

Is city served by cable TV ? ☒ yes () no

Number of local radio stations : 2, 1

Financial

WALM
AM

Number of banks in city : 4

WUMT

Morning Star
Shopping Guide
Weekly Kalamazoo

channel 10

Lansing
WILX

B.L.
WVHQ

WOTV
GR

41

8

CLIMATE OF ALBION

~~Albion~~ located in east central Calhoun County of the South Central Lower Climatic Division, is about 38 miles north of the Ohio border and about 78 miles east of Lake Michigan. The Kalamazoo River flows westward through the center of the city. The terrain is gently rolling and is approximately 35% wooded. Soils vary from sand to clay. For additional county soil information, please contact the Michigan Department of Agriculture (MDA)/Environmental Division/Soil Conservation Program, the USDA/Soil Conservation Service, the local Soil Conservation District, or the County Cooperative Extension Service Office. For detailed county agricultural statistics please refer to the publication: "1987 County Food and Agricultural Development Statistics" publication produced by the MDA in cooperation with the USDA/Michigan Agricultural Statistics Service, or the MDA/Press and Public Affairs Division, the Michigan Agricultural Statistics Service, or the County Cooperative Extension Service Office.

As a result of the prevailing westerly winds, Albion does experience some lake effect. However, this is minimal and essentially limited to increased cloudiness during the late fall and early winter. The continental type of climate of Albion is characterized by larger temperature ranges than in areas at the same latitude near the Great Lakes which have moderated temperatures. Diminished wind speeds or winds which do not traverse large unfrozen lakes often produce clearing skies and the colder temperatures expected at continental locations.

Because the day-to-day weather is controlled by the movement of pressure systems across the nation, this area seldom experiences prolonged periods of hot, humid weather in the summer or extreme cold during the winter. Long-term wind, humidity, and sunshine records are not available for this location, but these data should be similar to the following values which were observed at the National Weather Service Office in Lansing. The prevailing wind is south-westerly, averaging 10 mph. The strongest one-minute wind speed, 63 mph, was recorded in June 1963. The average 1 P.M. relative humidity varies from 55% for May to 77% for December, and averages 64% annually. The average percent possible sunshine varies from 28% for December to 70% for July, and averages 51% annually.

Precipitation was well distributed throughout the year with the crop season, April-September, receiving an average of 19.23 inches or 59% of the average annual total for the 1951-80 period. During this same period the average wettest month was July with 3.63 inches, while the average driest month was February with 1.67 inches. The following precipitation extremes, based on the time period of this station's published record, are: greatest observation-day total, 4.57 inches, recorded September 3, 1932; greatest monthly total, 10.09 inches, recorded May 1943; and least monthly total, 0.00 inches, recorded September 1979.

Summer precipitation comes mainly in the form of afternoon showers and thundershowers. Annually, thunderstorms will occur on an average of 37 days. Michigan is located on the northeast fringe of the Midwest tornado belt. The lower frequency of tornadoes occurring in Michigan may be, in part, the result of the colder water of Lake Michigan during the spring and early summer months, a prime period of tornado activity. During 1950-87, Michigan has averaged 15 tornadoes each year. During this same period, 10 tornadoes occurred within the county.

The 1950-51 through 1979-80 average seasonal snowfall was 51.3 inches. During this period, 67 days per season averaged 1 inch or more of snow on the ground, but varied greatly from season to season. The following snowfall extremes, based on the time period of this station's published record, are: greatest observation-day total, 14.5 inches, recorded January 26, 1978; greatest monthly total, 39.0 inches, recorded January 1943; greatest seasonal total, 85.1 inches, recorded during 1969-70; least seasonal total, 10.7 inches, recorded during 1918-19; and greatest snowdepth, 25 inches, recorded January

30, 1978.

Evaporation data from the Class "A" pan were not available for this station, but these data should be similar to those observed at East Lansing. During 1951-80, the pan evaporation for April through October exceeded the average precipitation by 94%. Therefore, soil moisture replenishment during the fall and winter months plays an important role in the success of agriculture for this area. While drought occurs periodically, the Palmer Drought Index indicated drought conditions reached extreme severity only 6% of the time.

Station History of Albion

Observations began in January 1888 and continued through March 31, 1896. The records during these early periods are erratic and the exact locations are unknown. Estimated precipitation data are available for January 1915 through May 1915 when on June 1, 1915 the station was re-established as a precipitation-only station at the Au Sable Elec. Co. .2 mi. SSE of the PO. In August 1915 the name changed to the Cons. Power Co. On March 9, 1955 the station was moved to the Cons. Power Co. Albion Rice Creek Substation 2.9 mi. N of the PO. On March 11, 1959 the station was moved to the WWTP 1 mi. W of the PO. The station has been at this location to the present.

For more information please contact:

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1951-1980 STATISTICAL SUMMARY FOR ALBION

DIVISION: SOUTH CENTRAL LOWER
 COUNTY: CALHOUN
 LATITUDE: 42d 15m
 LONGITUDE: 84d 46m

TOWN: 02S
 RANGE: 04W
 SECTION: 34
 ELEVATION: 0940 ft

SNOWFALL (INCHES)

	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	SSN'L
YRS	30	30	30	30	30	30	30	30	29	29
MN	0.00	1.45	7.70	11.01	11.85	8.83	8.86	5.09	3.00	51.33
SD	0.00	0.81	4.84	7.36	6.93	4.73	5.50	3.95	0.00	18.53
GA	0.00	*****	2.35	2.37	2.65	3.23	2.02	2.35	*****	7.31
BE	0.00	*****	3.28	4.66	4.47	2.74	4.39	2.17	*****	7.02
PZ	1.00	0.87	0.13	0.00	0.00	0.00	0.00	0.43	0.97	0.00

%	PROBABILITY VALUES BASED ON THE GAMMA DISTRIBUTION									
1	0.0	0.0	0.0	1.1	1.4	1.4	0.7	0.0	0.0	17.6
5	0.0	0.0	0.0	2.4	2.9	2.6	1.6	0.0	0.0	24.6
10	0.0	0.0	0.0	3.4	4.0	3.4	2.4	0.0	0.0	29.0
20	0.0	0.0	2.1	5.0	5.7	4.7	3.7	0.0	0.0	35.1
25	0.0	0.0	2.8	5.7	6.5	5.2	4.3	0.0	0.0	37.6
30	0.0	0.0	3.4	6.5	7.3	5.8	4.9	0.0	0.0	39.9
40	0.0	0.0	4.6	7.9	8.8	6.8	6.1	0.0	0.0	44.5

50	0.0	0.0	5.8	9.5	10.4	7.9	7.4	1.7	0.0	49.0

60	0.0	0.0	7.1	11.3	12.2	9.2	9.0	2.9	0.0	53.8
70	0.0	0.0	8.6	13.4	14.3	10.6	10.8	4.2	0.0	59.3
75	0.0	0.0	9.6	14.6	15.6	11.5	11.9	4.9	0.0	62.6
80	0.0	0.0	10.6	16.2	17.1	12.5	13.3	5.6	0.0	66.2
90	0.0	0.8	13.8	20.6	21.6	15.4	17.2	7.9	0.0	76.7
95	0.0	1.2	16.8	24.8	25.7	18.1	21.0	9.9	0.0	86.0
99	0.0	2.2	23.3	34.0	34.6	24.0	29.3	14.3	2.1	105.4

YRS = NUMBER OF YEARS
 MN = MEAN OF NON-ZERO VALUES
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TOWN: 02S
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 SECTION: 34
 ELEVATION: 0940 ft

SEASONAL PRECIPITATION (INCHES)

	APR	MAY	JUN	JUL	AUG	SEP	SSN'L
YR	30	29	29	29	29	29	29
MN	3.46	3.27	3.37	3.63	3.02	2.45	19.23
SD	1.27	1.79	1.32	1.48	1.68	1.42	3.43
GA	5.76	3.67	6.35	6.41	3.43	1.72	34.29
BE	0.60	0.89	0.53	0.57	0.88	1.43	0.56
PZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROBABILITY VALUES BASED ON THE GAMMA DISTRIBUTION							
%							
1	1.00	0.61	1.05	1.14	0.52	0.13	12.42
5	1.47	1.05	1.51	1.64	0.92	0.36	14.17
10	1.79	1.36	1.81	1.96	1.21	0.56	15.16
20	2.22	1.82	2.23	2.40	1.64	0.91	16.43
25	2.41	2.02	2.40	2.59	1.83	1.08	16.93
30	2.58	2.21	2.56	2.77	2.01	1.25	17.38
40	2.92	2.59	2.88	3.11	2.36	1.61	18.23

50	3.26	2.98	3.20	3.45	2.74	2.00	19.04

60	3.62	3.41	3.54	3.81	3.14	2.44	19.88
70	4.04	3.91	3.93	4.23	3.62	2.99	20.81
75	4.29	4.20	4.15	4.47	3.91	3.33	21.33
80	4.57	4.55	4.42	4.75	4.25	3.73	21.93
90	5.37	5.55	5.16	5.55	5.21	4.93	23.54
95	6.10	6.48	5.83	6.27	6.11	6.08	24.93
99	7.58	8.43	7.23	7.77	8.04	8.60	27.68

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COUNTY: CALHOUN
LATITUDE: 42d 15m
LONGITUDE: 84d 46m

TOWN: 02S
RANGE: 04W
SECTION: 34
ELEVATION: 0940 ft

NUMBER OF DAYS WITH PRECIPITATION GREATER THAN OR EQUAL TO 0.25 INCH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
YR	30	30	30	30	30	30	30	30	30	30	30	30	29
MN	2.5	3.0	3.6	4.5	4.1	4.4	4.4	4.0	3.7	3.2	3.2	3.3	41.9
SD	1.3	1.2	1.8	1.6	2.2	1.6	1.7	1.9	2.0	1.8	1.3	1.8	7.8
GA	2.90	2.52	5.37	4.89	5.00	3.78	3.89	4.22	5.45	2.38	3.44	4.10	63.06
BE	2.03	1.87	2.84	3.04	2.09	2.22	2.19	2.10	2.66	1.22	2.47	2.17	9.17
TH	-0.05	0.76	-1.23	0.16	-0.36	1.03	0.97	0.26	-1.18	0.95	0.15	-0.28	-17.87
PZ	0.17	0.23	0.03	0.00	0.03	0.03	0.03	0.03	0.10	0.07	0.03	0.13	0.00

%	PROBABILITY VALUES BASED ON THE WEIBULL DISTRIBUTION												
1	0	0	0	1	0	0	0	0	0	0	0	0	20
5	0	0	0	2	0	2	2	1	0	0	1	0	28
10	0	0	1	2	1	2	2	1	0	1	1	0	31
20	1	0	2	3	2	3	3	2	1	1	2	1	36
25	1	1	2	3	2	3	3	2	2	2	2	1	37
30	1	1	2	4	3	3	3	3	2	2	2	2	38
40	2	2	3	4	3	4	4	3	3	2	3	2	41
50	2	2	3	4	4	4	4	4	3	3	3	3	43
60	2	3	4	5	4	5	5	4	4	3	3	3	45
70	3	3	4	5	5	5	5	5	4	4	4	4	46
75	3	3	5	6	5	5	5	5	5	4	4	4	47
80	3	4	5	6	6	6	6	6	5	4	4	5	49
90	4	4	6	7	7	6	7	6	6	6	5	6	51
95	5	5	7	7	8	7	7	7	7	7	5	6	53
99	6	6	8	8	10	9	9	9	8	9	7	8	57

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DIVISION: SOUTH CENTRAL LOWER
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 LATITUDE: 42d 15m
 LONGITUDE: 84d 46m

TOWN: 02S
 RANGE: 04W
 SECTION: 34
 ELEVATION: 0940 ft

NUMBER OF DAYS WITH PRECIPITATION GREATER THAN OR EQUAL TO 0.50 INCH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
YR	30	30	30	30	30	30	30	30	30	30	30	30	29
MN	1.6	1.6	2.1	2.5	2.4	2.6	2.5	2.5	2.3	1.8	1.7	2.5	20.4
SD	0.7	0.7	1.5	1.4	1.8	1.2	1.3	1.4	1.0	1.1	0.7	1.2	5.5
GA	1.39	1.59	2.04	2.65	2.92	3.13	2.16	3.34	3.60	1.37	1.75	3.21	16.86
BE	1.84	1.97	1.26	1.71	1.51	2.50	1.54	2.19	3.58	1.16	2.44	2.52	2.98
TH	0.35	0.24	0.16	0.13	-0.21	-0.22	0.59	-0.46	-0.96	0.48	0.17	-0.35	5.40
PZ	0.37	0.53	0.37	0.13	0.13	0.10	0.07	0.13	0.30	0.23	0.17	0.47	0.00

%	PROBABILITY VALUES BASED ON THE WEIBULL DISTRIBUTION												
1	0	0	0	0	0	0	0	0	0	0	0	0	9
5	0	0	0	0	0	0	0	0	0	0	0	0	12
10	0	0	0	0	0	0	1	0	0	0	0	0	13
20	0	0	0	1	0	1	1	1	0	0	1	0	16
25	0	0	0	1	1	1	1	1	0	1	1	0	16
30	0	0	0	1	1	2	2	1	0	1	1	0	17
40	1	0	0	2	1	2	2	2	1	1	1	0	19

50	1	0	1	2	2	2	2	2	2	1	1	1	20

60	1	1	1	2	2	3	3	3	2	1	2	2	22
70	2	1	2	3	3	3	3	3	2	2	2	2	23
75	2	1	2	3	3	3	3	3	3	2	2	3	24
80	2	2	2	3	4	3	3	4	3	2	2	3	25
90	2	2	3	4	5	4	4	4	3	3	3	4	28
95	3	3	4	5	6	5	5	5	4	4	3	4	30
99	3	3	6	6	8	5	6	6	4	5	3	5	34

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DIVISION: SOUTH CENTRAL LOWER
 COUNTY: CALHOUN
 LATITUDE: 42d 15m
 LONGITUDE: 84d 46m

TOWN: 02S
 RANGE: 04W
 SECTION: 34
 ELEVATION: 0940 ft

PRECIPITATION (INCHES)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN'L
YR	30	30	30	30	29	29	29	29	29	29	29	29	29
MN	1.78	1.67	2.47	3.46	3.27	3.37	3.63	3.02	2.45	2.57	2.40	2.33	32.48
SD	0.96	1.10	1.34	1.27	1.79	1.32	1.48	1.68	1.42	1.94	0.78	1.35	5.96
GA	2.80	2.19	3.24	5.76	3.67	6.35	6.41	3.43	1.72	1.99	7.82	2.52	29.94
BE	0.64	0.77	0.76	0.60	0.89	0.53	0.57	0.88	1.43	1.29	0.31	0.92	1.09
PZ	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

%	PROBABILITY VALUES BASED ON THE GAMMA DISTRIBUTION												
1	0.23	0.15	0.40	1.00	0.61	1.05	1.14	0.52	0.13	0.19	0.86	0.26	20.28
5	0.46	0.33	0.72	1.47	1.05	1.51	1.64	0.92	0.36	0.45	1.18	0.54	23.37
10	0.62	0.48	0.95	1.79	1.36	1.81	1.96	1.21	0.56	0.68	1.39	0.75	25.14
20	0.88	0.73	1.31	2.22	1.82	2.23	2.40	1.64	0.91	1.05	1.66	1.10	27.40
25	1.00	0.84	1.46	2.41	2.02	2.40	2.59	1.83	1.08	1.23	1.78	1.25	28.29
30	1.11	0.95	1.61	2.58	2.21	2.56	2.77	2.01	1.25	1.40	1.89	1.40	29.11
40	1.33	1.18	1.91	2.92	2.59	2.88	3.11	2.36	1.61	1.76	2.09	1.71	30.64

50	1.57	1.42	2.22	3.26	2.98	3.20	3.45	2.74	2.00	2.15	2.30	2.03	32.10

60	1.84	1.70	2.57	3.62	3.41	3.54	3.81	3.14	2.44	2.59	2.51	2.39	33.62
70	2.15	2.03	2.97	4.04	3.91	3.93	4.23	3.62	2.99	3.12	2.76	2.82	35.28
75	2.34	2.24	3.21	4.29	4.20	4.15	4.47	3.91	3.33	3.44	2.91	3.08	36.23
80	2.56	2.48	3.50	4.57	4.55	4.42	4.75	4.25	3.73	3.83	3.07	3.39	37.30
90	3.20	3.18	4.32	5.37	5.55	5.16	5.55	5.21	4.93	4.96	3.54	4.29	40.20
95	3.79	3.85	5.08	6.10	6.48	5.83	6.27	6.11	6.08	6.02	3.95	5.14	42.67
99	5.05	5.34	6.73	7.58	8.43	7.23	7.77	8.04	8.60	8.17	4.77	6.98	47.26

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PRECIPITATION SUMMARY FOR ALBION
FOR THE 30 YEAR PERIOD 1951-1980

DIVISION: SOUTH CENTRAL LOWER LAT.: 42d 15m TOWN: 02S SEC.: 34
COUNTY: CALHOUN LONG.: 84d 46m RANGE: 04W ELEV.: 0940 ft

M O N T H	LIQUID EQUIVALENT (IN)						SNOWFALL (IN)					
	MEAN	MAXIMUM DAILY AMOUNT AND YEAR	MEAN # OF DAYS WITH AT LEAST			MEAN	MAXIMUM MONTHLY AMOUNT AND YEAR	MAXIMUM DAILY AMOUNT AND YEAR	MAXIMUM TOTAL DEPTH AND YEAR			
			.10	.25	.50							
JAN	1.78	2.35 1960	5	2	1	11.9	34.3 1978	14.5 1978	25 1978			
FEB	1.67	2.24 1954	5	2	1	8.8	18.5 1965	6.1 1968	20 1978			
MAR	2.47	1.93 1973	7	3	1	8.9	20.8 1970	12.5 1973	15 1973			
APR	3.46	1.89 1972	8	5	2	2.9	18.3 1970	7.4 1970	6 1970+			
MAY	3.27	3.21 1953	7	4	2	0.1	3.0 1976	3.0 1976	0			
JUN	3.37	3.83 1968	6	4	2	0.0	0.0	0.0	0			
JUL	3.63	3.38 1971	6	4	2	0.0	0.0	0.0	0			
AUG	3.02	2.47 1975	6	4	2	0.0	0.0	0.0	0			
SEP	2.45	1.71 1972	6	3	2	0.0	0.0	0.0	0			
OCT	2.57	3.20 1954	5	3	1	0.2	2.6 1954	1.5 1954	1 1954			
NOV	2.40	1.51 1968	6	3	1	6.5	18.3 1966	8.5 1969	11 1966			
DEC	2.33	2.14 1965	6	3	1	10.9	33.6 1951	7.5 1965	22 1951			
ANN	32.42	3.83 1968	73	40	18	50.2	34.3 1978	14.5 1978	25 1978			

T=Trace, an unmeasurable amount +=On earlier dates *=Less than one half

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COUNTY: CALHOUN
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LONGITUDE: 84d 46m

TOWN: 02S
RANGE: 04W
SECTION: 34
ELEVATION: 0940 ft

NUMBER OF DAYS WITH PRECIPITATION GREATER THAN OR EQUAL TO 0.10 INCH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
YR	30	30	30	30	30	30	30	30	30	30	30	30	29
MN	5.0	4.9	6.6	8.0	7.0	6.5	6.3	5.6	6.0	5.7	6.1	6.0	73.1
SD	1.9	2.3	2.6	2.7	2.6	1.8	2.3	2.2	2.5	2.5	2.1	2.9	10.2
GA	8.51	6.47	13.00	11.43	6.08	3.98	5.74	4.99	6.98	6.57	5.17	6.86	32.03
BE	4.66	2.66	5.19	4.35	2.21	2.07	2.31	2.06	2.63	2.45	2.27	2.22	3.08
TH	-2.81	-0.82	-5.40	-2.38	1.65	2.96	1.26	1.17	-0.20	-0.15	1.56	-0.08	44.46
PZ	0.03	0.03	0.00	0.00	0.03	0.03	0.03	0.03	0.07	0.07	0.03	0.03	0.00

%	PROBABILITY VALUES BASED ON THE WEIBULL DISTRIBUTION												
1	0	0	0	2	0	0	0	0	0	0	0	0	52
5	1	1	2	3	3	4	2	2	0	0	2	1	57
10	2	2	3	4	3	4	3	3	2	2	3	2	60
20	3	3	4	6	5	5	4	3	3	3	4	3	64
25	4	3	5	6	5	5	4	4	4	3	4	4	66
30	4	3	5	7	5	5	5	4	4	4	5	4	67
40	4	4	6	7	6	6	5	5	5	5	5	5	70
50	5	5	7	8	7	6	6	5	6	5	6	6	73
60	5	5	7	9	7	7	7	6	6	6	6	6	76
70	6	6	8	10	8	7	7	7	7	7	7	7	78
75	6	6	8	10	9	8	8	7	8	7	7	8	80
80	7	7	9	10	9	8	8	7	8	8	8	8	82
90	7	8	10	11	10	9	9	9	9	9	9	10	86
95	8	9	11	12	12	10	10	10	10	10	10	11	90
99	9	11	12	14	14	11	12	12	12	12	12	14	97

YR = NUMBER OF YEARS
MN = MEAN OF NON-ZERO VALUES
SD = STANDARD DEVIATION
GA = GAMMA
BE = BETA
TH = THETA
PZ = PROBABILITY OF ZERO
% = PERCENTILES